

DATASHEET 5.1**SO-QDD-4C-CUx-4****QSFP-DD Direct Attach Cable (DAC) 400G Ethernet, AWG32/30, CMIS4, 0.5-5m****OVERVIEW**

The SO-QDD-4C-CUx-4 is an Active Electrical Cable (AEC) solution for short-range data communication and interconnect applications. The solution consists of two QSFP-DD transceivers connected via a coax cable of different lengths for 400Gbps Ethernet interconnects. The electrical interface of the module is compliant with the 400GAUI-8 interface and compliant with QSFP-DD MSA.

The SO-QDD-4C-CUx-4 cables have an I2C interface with Integrated Digital Diagnostic Monitoring according to the Common Management Interface Specification (CMIS 4.0).

The SO-QDD-4C-CUx-4 is provided in lengths from 0.5 to 5 meters (1.6 to 16.4 ft).

PRODUCT FEATURES

- 400G to 400G interconnect
- QSFP-DD compliant connectors
- 400GAUI-8 electrical interface
- Thin and flexible cables (AWG32 and AWG30)
- CMIS4.0 compliant
- I²C management interface
- BER < 10⁻¹⁵ (post FEC)
- 0.5m to 5 meters (1.6 to 16.4 ft)
- Hot pluggable
- Fully RoHS2 compliant for environmental protection
- Low power consumption; <4W per side
- Low latency; 15nm per end + 4.5nm/m
- Operating temperature 0°C to +70°C (32°F to +158°F)
- Storage temperature -40°C to +85°C (-40°F to +185°F)

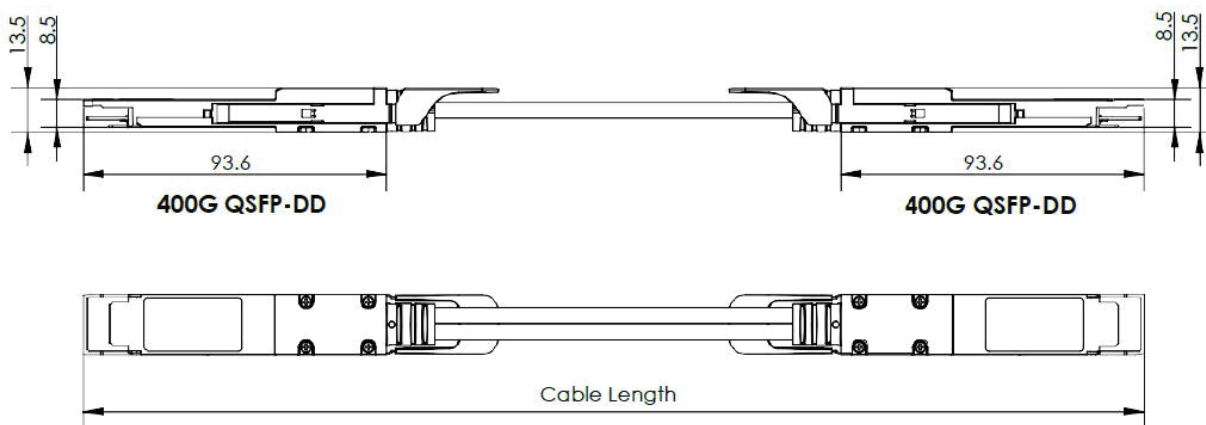
APPLICATIONS

- Data Center cabling infrastructure
- Network Attached Storage (NAS)
- Hub, switches, routers, servers

ORDERING INFORMATION

Ordering number	Description
SO-QDD-4C-0CU5-4	QSFP-DD Active Electric Cable (AEC) 400G Ethernet, AWG32, CMIS4, 0.5m
SO-QDD-4C-CU1-4	QSFP-DD Active Electric Cable (AEC) 400G Ethernet, AWG32, CMIS4, 1m
SO-QDD-4C-1CU5-4	QSFP-DD Active Electric Cable (AEC) 400G Ethernet, AWG32, CMIS4, 1.5m
SO-QDD-4C-CU2-4	QSFP-DD Active Electric Cable (AEC) 400G Ethernet, AWG32, CMIS4, 2m
SO-QDD-4C-2CU5-4	QSFP-DD Active Electric Cable (AEC) 400G Ethernet, AWG32, CMIS4, 2.5m
SO-QDD-4C-CU3-4	QSFP-DD Active Electric Cable (AEC) 400G Ethernet, AWG32, CMIS4, 3m
SO-QDD-4C-CU5-4	QSFP-DD Active Electric Cable (AEC) 400G Ethernet, AWG30, CMIS4, 5m

MECHANICAL DRAWING



Units: mm

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